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FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

April 13, 1994

Mr. William F. Caton  
Acting Secretary  
Federal Communications Commission  
Room 222  
1919 M Street, N.W.  
Washington, D.C. 20554

Re: Utilities Telecommunications Council  
Ex Parte Presentation in GEN Docket No. 90-314

Dear Mr. Caton:

Attached are two (2) copies of a written ex parte presentation regarding the above-referenced docket which was sent earlier today to Dr. Thomas P. Stanley, Chief Engineer of the Federal Communications Commission, and members of his staff.

Should any questions arise concerning this matter, please contact undersigned counsel.

Very truly yours,

*Jeffrey L. Sheldon*  
Jeffrey L. Sheldon  
General Counsel

cc: Dr. Thomas P. Stanley  
David Siddall, Esq.  
Fred Thomas

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April 13, 1994

Dr. Thomas P. Stanley  
Chief Engineer  
Federal Communications Commission  
2025 M Street, N.W., Room 7002  
Washington, D.C. 20554

Re: GEN Docket No. 90-314

Dear Dr. Stanley:

This is to follow-up with the information you requested of the Utilities Telecommunications Council (UTC), the American Petroleum Institute (API), the Associated Public-Safety Communications Officials International (APCO), and the Association of American Railroads (AAR), during our March 22, 1994, ex parte meeting on the above-referenced docket.

During that meeting, representatives of these private microwave user groups requested clarification that the rules on PCS/microwave frequency coordination will require issuance of "prior coordination notices" to all potentially affected microwave licensees. It was noted that such notices are currently required for all common carrier microwave applications, under Part 21, and most private microwave applications, under Part 94. In both cases, prior coordination is conducted pursuant to procedures specified at Section 21.100(d) of the Rules.

Pursuant to your request for specific clarifying rule language, attached are suggested amendments to the relevant rule sections.

Please let me know if you have any questions or require any further information.

Very truly yours,

  
Jeffrey L. Sheldon  
General Counsel

Enclosure

cc: David Siddall, Esq.  
Fred Thomas

SUGGESTED MODIFICATION OF PCS RULES  
TO CLARIFY THE PRIOR COORDINATION PROCEDURES

1. Add a new Section 24.233(e) (formerly designated as Section 99.233 in the Second Report and Order in GEN Docket No. 90-314, and recodified as Section 24.233 by the Second Report and Order in GN Docket No. 93-252):

**§24.233 Interference Protection**

\* \* \*

(g) Applicants for new or modified facilities [or, "Entities proposing to construct new or modified PCS facilities"] shall follow the prior coordination procedure specified in Section 21.100(d). Notification must include all relevant details of the proposal. At a minimum, and for purposes of Section 21.100(d)(2)(ii), this should include, as applicable, the following:

Date of Coordination

Type of System: Licensed or Unlicensed

Company Name and Address

Company Contact (Name, Telephone No., Facsimile No., and Pager No.)

Call Sign (If Award is Final)

Service Area

BTA, MTA or Other Area (If possible by county)

PCS Frequency Band of Interest; e.g., block A, B, C, D, E, or F

Base Stations

Coordination Distance for Each Base Station

Station ID Number or Name

Coordinates

Centerlines (AGL)

Ground Elevations (AMSL)

HAATs

Antenna Makes and Models

Antenna Gains or Patterns (Omni, Sector, etc.)

Beam Tilt

Line Losses

Radio Makes, Models, Modulation Types, Loadings

Transmit Powers (Maximum, Coordination and Nominal)

Parameters Need to Calculate (C/I Into and From the POFMS

(e.g., factors assumed for: PCS Tx Antenna Angular Discrimination, Polarization Discrimination, Microwave Rx Antenna Angular Discrimination and HAAT, Microwave Rx Gain and Line loss; Center Frequency Offset of PCS Interference, Normal Microwave Receive Carrier Level)

Emission Type Including Power Spectral Density Curve

Mobiles

Number of Mobiles with Each Base Station  
Transmit Powers (Maximum, Coordinated and Nominal)  
Antenna Gains  
Antenna Makes (Omni)  
Radio Makes, Models, Modulations  
Description of How Aggregation of Mobiles Was Done  
Emission Type Including Power Spectral Density Curve

Portables (Handheld)

Number of Outdoor Portables with Each Base Stations  
• Percentage Operational  
Number of Indoor Portables  
• Percentage Operational  
• Average Building Height in Number of Floors  
• Urban or Suburban  
• Location of Sites Exceeding the Average Building Height

Transit Power (Maximum, Coordinated and Nominal)  
Antenna Gains  
Description of How Aggregation of Mobiles Was Done  
Emission Type Including Power Spectral Density Curve

Path and Propagation Factors

Propagation Assumptions (If Other Than Free Space)  
Propagation Model or Classifications Used (e.g., Rural, Urban, Suburban)  
Terrain Model (i.e., 7.5 Min. 3 Sec., 30 Sec., Spot Beam)  
Actual Building Information (If used in Propagation Model)  
Microwave reliability performance objective specified by the microwave licensee

2. Add a new sentence to the end of Section 15.307(a) as follows:

§15.307 Coordination with fixed microwave service.

(a) . . . Such coordination shall conform to the requirements of Section 24.233(g).